



**CALIFORNIA STATE SCIENCE FAIR
2008 PROJECT SUMMARY**

Name(s) Kevin J.R. Johnson	Project Number 28462
Project Title Do You See What I See?	
Abstract Objectives/Goals The objective of my project is to determine whether it takes the brain longer to process conflicting information. Methods/Materials The experimental group consisted of 18 fifth grade students willing to participate in this experiment and completing a signed consent form. Students were tested using two sets of 20 color word cards. The first set of 20 color word cards consisted of words written in the same ink color as the written word. The second set of 20 color word cards consisted of words written in an ink color contrary to the actual written word. Students were timed on how quickly and accurately they were able to identify the color of the word. Results 94% of participants identified the color of the correct color word cards faster than they identified the color of the conflicting color word cards. It took the average participant 10.13 seconds longer to identify the color of the conflicting color word cards. Male participants completed the correct color word cards more quickly than female participants. But females were 7.16 seconds faster identifying the color of the word on the conflicting color word cards. Conclusions/Discussion It is concluded from the results of this experiment that it takes more time to identify the color of the word when the word is written in an ink color contrary to the actual word. Therefore, it takes more time for the brain to process conflicting information.	
Summary Statement This project is a study of the effect of conflicting information on the time it takes the brain to process the information.	
Help Received Mother helped with report formatting, father helped with display board, sister taught me graphing function	